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<b>UTILITY PATENT APPLICATION TRANSMITTAL</b> <small>(Only for new nonprovisional applications under 37 CFR 1.53(b))</small>	Attorney Docket No. <b>935-017</b>	Total Pages <b>39</b>
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<b>APPLICATION ELEMENTS</b> <small>See MPEP chapter 600 concerning utility patent application contents.</small>	<b>ADDRESS TO:</b> Assistant Commissioner for Patents Box Patent Application Washington, DC 20231
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METHOD AND APPARATUS FOR PROVIDING A  
CONSOLIDATED STORE COMPENSATION SYSTEM

1     **TECHNICAL FIELD OF THE INVENTION**

2           The present invention relates generally to human resources  
3 management and operations. In particular, the invention provides  
4 an improved store compensation system for managing the  
5 compensation structure of multi-location companies - for example,  
6 retail stores with locations throughout the United States or even  
7 the world.

8  
9     **BACKGROUND OF THE INVENTION**

10          The effective operation of any business requires an accurate  
11 method for recording an employee's hours worked and human  
12 resources transactions, in order to maintain an efficient and  
13 updated payroll system. This integration of payroll and human  
14 resource information is necessary for a company to determine the  
15 compensation due each of its employees. Methods for tracking  
16 this integration have evolved from the use of a time clock system  
17 to the more modern use of highly integrated computer software.

18          Employee attendance and compensation records were  
19 traditionally maintained through a time clock system, in which an

1 employee would punch a time slip into a time clock when arriving  
2 and departing from the workplace. These slips would then  
3 typically be passed along to a timekeeper, who determined the  
4 attendance and hours worked, and thus calculated the employee's  
5 wages. This arrangement, while effective in smaller settings, is  
6 not practical for a large corporate workplace, because the use of  
7 manual time cards leaves ample room for confusion and mistake.  
8 For instance, numerous handling procedures are involved, which  
9 are often complex and lend themselves to error, resulting in  
10 loss of substantial time due to constant monitoring, auditing and  
11 attention to ensure that timekeepers adhere to correct procedure.  
12 Further, such a system experiences disruption when an employee is  
13 shifted, on a temporary basis, to understaffed locations and  
14 later shifted back. Yet another disadvantage of the time clock  
15 system is its inability to be modified on an instantaneous basis,  
16 leading to problems in monitoring and regulating employee  
17 overtime. The time required for editing, error correction, time  
18 card preparation and employee record maintenance is wasteful and  
19 often jeopardizes the ability of a workplace to distribute  
20 paychecks in a timely fashion.

21 Numerous attempts have been made to create a more efficient  
22 time clock system. For example, Baxter, et al, U.S Patent No.  
23 4,270,043 (the "'043 Patent") describes a mark-sensitive time

1 clock system. The '043 Patent utilizes a simple cardboard or  
2 similar card in its system, unlike other time clock patents which  
3 make use of magnetic or punched plastic badges that are  
4 interpreted by equipment sensitive to the density of the marks on  
5 these badges. A card used in the '043 Patent can be readily  
6 marked with any sort of device that can produce a mark on a piece  
7 of paper (for example, a pen, pencil or marker). The card is  
8 then read and interpreted by the time clock system without  
9 concern for the density of the mark.

10 Another attempt at improving the efficiency of the time  
11 clock system is found in Chalker, et al, U.S. Patent No.  
12 4,323,771 (the "'771 Patent"). The '771 Patent provides a  
13 process whereby each employee receives an identification badge  
14 containing an identification number. At predetermined times  
15 during the day, signaled by the ringing of a clock, the employee  
16 inserts the badge into a badge reader to record the time. In the  
17 case of loaned or borrowed employees, the timekeeper at the  
18 lending institution creates a new card for the employee, and the  
19 borrowing facility uses this separate card to keep track of the  
20 employee's attendance. The disk data storage is then mailed or  
21 carried to a central data processing center, which receives data  
22 from all of the company's facilities on a weekly basis.

23 With the passage of time and improvements in technology and

1 software, systems such as those disclosed in the '043 and '771  
2 Patents have become somewhat antiquated. Creating a payroll  
3 system is a difficult process due to the complexity of  
4 compensation calculations, which must account for federal, state  
5 and local tax laws, as well as special circumstances such as  
6 bonuses and commissions. Equally important in the calculation of  
7 employee compensation are various human resources transactions  
8 such as vacation time, sick leave and the like. Expansions in  
9 corporate size and modern technological developments mean it is  
10 often more practical and less expensive for companies to forego  
11 the time clock method and utilize computer software which can  
12 seamlessly integrate payroll and human resources to maintain  
13 employee attendance and compensation records.

14 Due to complexities with regard to tracking payrolls, many  
15 businesses seek the aid of outside companies that provide payroll  
16 services. These services typically include creating the payroll  
17 for each period, printing salary checks and keeping track of the  
18 payrolls. However, this arrangement can be costly, especially for  
19 small to mid-sized companies. Therefore, many businesses are  
20 forced to seek alternatives. One alternative is to purchase a  
21 commercial computer system, while another involves a company  
22 internally developing a system, designed to its specific needs,  
23 which creates and tracks payrolls as well as other human

1 resources transactions.

2 Human resource activities include the hiring of new  
3 employees, tracking an employee's advancement through a company,  
4 monitoring vacation time and sick leave, as well as other typical  
5 human resources functions. As with their payroll systems, many  
6 companies have turned to computer software to update and maintain  
7 these human resources records. Unfortunately, these human  
8 resource systems suffer from substantially the same problems as  
9 the payroll systems.

10 Several attempts have been made at developing a system  
11 whereby payroll and human resources information are combined to  
12 generate the amount of compensation due an employee. For  
13 example, Tremaine, U.S. Patent No. 5,819,231, (the "'231  
14 patent"), discloses a compensation planning tool capable of  
15 receiving and storing compensation information for a plurality of  
16 employees. Such information is used to develop a compensation  
17 plan that includes current total compensation, a planned salary  
18 and a planned total compensation for each employee.

19 In a somewhat similar invention, Williams, U.S. Patent No.  
20 5,600,554 (the "'554 Patent") recites a network-based software  
21 application for integrating payroll and human resource data. The  
22 payroll data includes an employee-type and a plurality of payroll  
23 codes, and the human resource data includes an employee-

1 identifier for each employee, a salary for each employee, and a  
2 plurality of human resources codes. The system described in the  
3 '554 Patent system comprises four elements: 1) a means for  
4 storing the payroll data and the human resource data; 2) a means  
5 for receiving user input, including pay period; 3) a means for  
6 integrating the payroll data and the human resource data by  
7 matching the employee-type with the employee-identifier for each  
8 employee, then generating a payroll from the payroll data and the  
9 human resource data using the pay period and the salary for each  
10 employee; and 4) a means for accessing the human resource data  
11 while generating the payroll.

12 However, the systems disclosed in both the '544 patent and  
13 the '231 patent do not provide any internal mechanisms for  
14 verifying or corroborating the information they generate. That  
15 is, there are no mechanisms to ensure the user that the  
16 calculations are correct and that no adjustments to the payroll  
17 are necessary. Therefore, the user is forced to generate the  
18 payroll a second time, do manual calculations in order to verify  
19 the system's results, or merely rely on the first calculations.  
20 Any of these methods chosen by the user bears the potential for  
21 error, and companies may be forced to waste valuable time and  
22 money on monitoring to ensure that the calculations have been  
23 performed correctly. The lack of an internal recalculation

1 system may drive a company to waste the valuable corporate  
2 resources of time and money, and is highly inefficient.

3 Therefore, a need exists for a completely integrated human  
4 resources management and payroll system which solves these  
5 problems with the existing systems. The present invention, as  
6 shown in the drawings and described in detail below, provides a  
7 system which overcomes the shortcomings of the known systems.  
8

#### 9 SUMMARY OF THE INVENTION

10 Accordingly, the present invention is directed to a complete  
11 store compensation system designed as a network-based computer  
12 software application which integrates and manipulates employee  
13 payroll and human resource information. The present invention  
14 then uses such information to determine employee compensation,  
15 calculated in accordance with a company's business practices and  
16 policies. The invention also contains a mechanism for  
17 automatically recalculating the payroll generated, to determine  
18 whether any adjustments to employee compensation are necessary.  
19 The invention further facilitates ease in maintaining updated  
20 records regarding changes in employee payroll and human resource  
21 data.

22 Features and advantages of the present invention are set  
23 forth in the following detailed description, and in part will be



1 realized from such description or may be learned through use of  
2 the invention. Objectives and other benefits of the invention  
3 will be apparent by the method and device referred to in the  
4 written description and claims thereof, as well as the appended  
5 drawings.

6 Generally speaking, this invention is directed to a system  
7 for calculating employee compensation through a combination of  
8 two processes: online design and batch design. Online design,  
9 the first step in the procedure, allows the user to design a  
10 compensation plan for each employee as determined by the  
11 employee's status, and to generate an employee job table from the  
12 information supplied to the program. Batch design, the second  
13 step of the procedure, utilizes the employee data input online to  
14 calculate each employee's compensation. The system uses modules  
15 to incorporate a variety of factors into the compensation  
16 calculation including, but not limited to, commissions, holidays,  
17 hourly rates and overtime, and calculates compensation on a  
18 weekly basis. Of course, calculation could be made using other  
19 time periods, such as bi-weekly, monthly, etc., based on the  
20 business's practices. The invention also provides a bi-weekly  
21 (or other) recalculation process, whereby an employee's pay for a  
22 given period is recalculated and compared to historical pay  
23 sheets in order to determine the consistency of an employee's

1 compensation. Furthermore, the system allows for easy adjustment  
2 to the compensation calculation as determined through the  
3 recalculation process.

4 It is to be understood that both the preceding general  
5 description and the ensuing detailed description are exemplary  
6 and illustrative, and are intended to provide further explanation  
7 of the preferred embodiment of the invention as claimed.

8 These and other advantages of the present invention will become  
9 more thoroughly apparent through the following description of the  
10 preferred embodiments and the accompanying drawings.

#### 11 **BRIEF DESCRIPTION OF THE DRAWINGS**

12 A further understanding of the present invention can be  
13 obtained by reference to a preferred embodiment set forth in the  
14 illustrations of the accompanying drawings. Although the  
15 illustrated embodiment is merely exemplary of systems for  
16 carrying out the present invention, both the organization and  
17 method of operation of the invention, in general, together with  
18 further objectives and advantages thereof, may be more easily  
19 understood by reference to the drawings and the following  
20 description. The drawings are not intended to limit the scope of  
21 this invention, which is set forth with particularity in the  
22 claims as appended or as subsequently amended, but merely to  
23

1 clarify and exemplify the invention.

2 For a more complete understanding of the present invention,  
3 reference is now made to the following drawings in which:

4 **FIG. 1** shows a display screen image of the menu options for  
5 the Define Store Based Compensation data entry form used in  
6 accordance with the preferred embodiment of the present  
7 invention.

8 **FIG. 2** shows a display screen image of the Define Store  
9 Based Comp-Setup-Country data entry form used in accordance with  
10 the preferred embodiment of the present invention.

11 **FIG. 3A** shows a display screen image of the Define Store  
12 Based Comp-Setup-Compensation State Wage data entry form used in  
13 accordance with the preferred embodiment of the present  
14 invention.

15 **FIG. 3B** shows a display screen image of the menu options  
16 pertaining to State Type used in accordance with the preferred  
17 embodiment of the present invention.

18 **FIG. 3C** shows a display screen image of the menu options  
19 pertaining to Holiday State Type used in accordance with the  
20 preferred embodiment of the present invention.

21 **FIG. 4** shows a display screen image of the Define Store  
22 Based Comp-Setup-Merchandise Departments data entry form used in  
23 accordance with the preferred embodiment of the present

1 invention.

2 **FIG. 5** shows a display screen image of the Define Store  
3 Based Comp-Setup-Department Groups data entry form used for  
4 arranging merchandise departments into groups in accordance with  
5 the preferred embodiment of the present invention.

6 **FIG. 6** shows a display screen image of the Define Store  
7 Based Comp-Setup-Compensation Plan-Add panel used in accordance  
8 with the preferred embodiment of the present invention.

9 **FIG. 7** shows a display screen image of the Define Store  
10 Based Comp-Setup-Compensation Plan data entry form used for entry  
11 of the four elements essential to the design of a compensation  
12 plan according to the preferred embodiment of the present  
13 invention.

14 **FIG. 8** shows a display screen image of the Define Store  
15 Based Comp-Setup-Compensation Plan data entry form for creating  
16 overtime parameters in accordance with the preferred embodiment  
17 of the present invention.

18 **FIG. 9** shows a display screen image of the Define Store  
19 Based Comp-Setup-Compensation Plan Detail-Compensation Earnings  
20 Calcs-Update/Display panel used according to the preferred  
21 embodiment of the present invention.

22 **FIG. 10** shows a display screen image of the Define Store  
23 Based Comp-Setup-Compensation Plan Detail data entry form for

1 entry of the earnings eligibility and calculation methods  
2 required for each job function in accordance with the preferred  
3 embodiment of the present invention.

4 **FIG. 10A** shows a display screen image of the earnings codes  
5 valid for data entry used in accordance with the preferred  
6 embodiment of the present invention.

7 **FIG. 10B** shows a display screen image of the menu options  
8 corresponding to the premium calculations codes in accordance  
9 with the preferred embodiment of the present invention.

10 **FIG. 11** shows a display screen image of the Define Store  
11 Compensation-Setup-Compensation Plan Detail data form used in  
12 accordance with the preferred embodiment of the present  
13 invention.

14 **FIG. 12** shows a display screen image of the data entry form  
15 used to establish commission parameters in accordance with the  
16 preferred embodiment of the present invention.

17 **FIG. 13** shows a display screen image of the data entry form  
18 used to establish incentives for quantities of qualified SKUs and  
19 SPIFFs in accordance with the preferred embodiment of the present  
20 invention.

21 **FIG. 14** shows a display screen image of the data entry form  
22 used for cloning an established plan in accordance with the  
23 preferred embodiment of the present invention.

1       **FIG. 15** shows a display screen image of the data entry form  
2       used to define different compensation calculation methods in  
3       accordance with the preferred embodiment of the present  
4       invention.

5       **FIG. 16** shows a display screen image of the data entry form  
6       used to indicate that no adjustments to calculations are  
7       necessary in accordance with the preferred embodiment of the  
8       present invention.

9       **FIG. 17** shows a display screen image of the menu of  
10      calculations that may be selected for manual adjustment in  
11      accordance with the preferred embodiment of the present  
12      invention.

13      **FIG. 18** shows a display screen image of the data entry form  
14      used to record or adjust a sales transaction in accordance with  
15      the preferred embodiment of the present invention.

16      **FIG. 19** shows a display screen image of the data entry form  
17      used to adjust commission data in accordance with the preferred  
18      embodiment of the present invention.

19      **FIG. 20** shows a display screen image of the data entry form  
20      used to update the tables that retain the historical pay data  
21      when additional pay is manually processed in accordance with the  
22      preferred embodiment of the present invention.

23      **FIG. 21** shows a display screen image of the data entry form

1 used to record summary data for associates in need of pay  
2 processing in accordance with the preferred embodiment of the  
3 present invention.

4 **FIG. 22** illustrates the overall store compensation process  
5 flow in accordance with the preferred embodiment of the present  
6 invention.

7 **FIGS. 23 - 25** illustrate a flow diagram of the functional  
8 design of the overall store compensation system according to the  
9 preferred embodiment of the present invention.

10 **FIG. 26** illustrates a flow diagram of the functional design  
11 of the Store Compensation System set-up and maintenance in  
12 accordance with the preferred embodiment of the present  
13 invention.

#### 14 **DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT**

15 As required, a detailed illustrative embodiment of the  
16 present invention is disclosed herein. However, techniques,  
17 systems and operating structures in accordance with the present  
18 invention may be embodied in a wide variety of forms and modes,  
19 some of which may be quite different from those in the disclosed  
20 embodiment. Consequently, the specific structural and functional  
21 details disclosed herein are merely representative, yet in that  
22 regard, they are deemed to afford the best embodiment for  
23

1 purposes of disclosure and to provide a basis for the claims  
2 herein which define the scope of the present invention.

3 The following presents a detailed description of a preferred  
4 embodiment of the present invention. As discussed above, the  
5 present invention relates to human resources management and  
6 operations. In particular, the invention provides an improved  
7 store compensation system for managing the compensation structure  
8 of multi-location companies - for example, retail stores with  
9 locations throughout the United States or even the world.

10 generally to a store compensation system for calculating employee  
11 compensation according to a company's particular business  
12 practices. Specifically, the present invention provides a  
13 compensation plan for each employee designed based on each  
14 individual employee's status, as well as a method for  
15 recalculation of the compensation. Reference is herein made to  
16 the figures, wherein the numerals representing particular parts  
17 are consistently used throughout the figures and accompanying  
18 discussion.

19 The present invention comprises a store payroll system  
20 designed to calculate earnings for all store-based employees.  
21 The software in this invention is capable of determining employee  
22 compensation in accord with a company's business practices, and  
23 consists of two main functions: online design and batch design.



1 The compensation plan for each employee is designed based on the  
2 employee's status. The compensation calculation involves such  
3 factors as base salary, commissions, overtime, premiums, bonuses  
4 and pay for time not worked.

5 The system further provides for a bi-weekly recalculation  
6 process. An employee's pay for a specific period of time is  
7 recalculated and compared to historical pay sheets in order to  
8 determine if the compensation is consistent. The system allows  
9 for any adjustments to be made that the recalculation process  
10 deems necessary.

11 The first step in the process of establishing an employee  
12 compensation plan under the present invention is Online Design,  
13 which allows the user to design a compensation plan for each  
14 employee as determined by the employee's status, and to generate  
15 an employee job table from the information supplied to the  
16 program. Starting with the screen in **FIG. 1**, the user begins by  
17 entering Define Business Rules 105. This selection reveals to  
18 the user a menu of options, from which the user selects Define  
19 Store Based Comp. 110.

20 Specific criteria must be established before the  
21 compensation plan can be designed. Initially, as seen in **FIG. 2**,  
22 the user must identify a Country 200, an Effective Date 205, and  
23 a Minimum Wage 210. Additionally, information regarding the

1 state of employment must be input in **FIG. 3A**. The user must  
2 identify the State 305A, Effective Date 310A, and the Minimum  
3 Wage 325A. Likewise, the State Type 315A must be established.  
4 The levels of state type classification are delineated in **FIG.**  
5 **3B**. The Holiday State Type 320A must also be identified, the  
6 classifications of which are shown in **FIG. 3C**. A Holiday State  
7 type links each state to a Holiday table that establishes valid  
8 holidays for upcoming pay periods. Some compensation plans will  
9 contain a Holiday premium calculation that is triggered by the  
10 business date matching the table dates.

11 In addition to establishing business labor rules for all  
12 states, the system requires relationships to be built for  
13 Merchandise Departments in order to calculate commission  
14 earnings. While the relationships are created by management, the  
15 Store Compensation System user has the opportunity to determine  
16 the commission eligibility of the merchandise assigned to each  
17 department. The user must first configure the Merchandise  
18 Departments in the appropriate manner, as shown in **FIG. 4**. The  
19 user must indicate the Company 400 to which the information  
20 pertains, as well as the Merchandise Department 405, a  
21 Description 410 of the merchandise, and a Commission Code 415.  
22 The Commission Code 415 corresponds to the type of commission  
23 that belongs to the merchandise. Options include Commission

1 Eligible, Multiple Eligible, Eligible for both Commission and  
2 Multiple or Not Eligible for Commission. The user must next  
3 select the Commission Eligible 420 box. The user may also choose  
4 to de-select the Commission Eligible 420 box, disabling  
5 commission calculations for any merchandise department.

6 Once the Merchandise Departments have been appropriately  
7 configured, **FIG. 5** displays how they can be grouped in clusters.  
8 They are defined by the Merchandise Department Group 505 and  
9 followed by a Description 510. Here, similar departments, such  
10 as Apparel and Accessories, can be linked for calculations of  
11 special commissions designed only for these departments.

12 The next step in developing the compensation plan is to  
13 input the data necessary for calculating compensation. Starting  
14 at **FIG. 6**, the user selects Setup 605 and Compensation Plan 610  
15 from the menu. Next, the user should select Add 615 from the  
16 available options. Upon choosing Add 615, the user is taken to  
17 **FIG. 7**. **FIG. 7** requires the user to identify four data elements  
18 that are essential to establishing a compensation plan. Company  
19 700 requires the user to select a three-letter code corresponding  
20 to the retail company for which the employee works. The Job  
21 Function Code 705 field requires a three-letter code for the  
22 category describing the job attached to the plan. The  
23 Compensation State Type 710 field requires a two-digit numeric

1 code for the group of states the plan will service. Finally,  
2 Compensation Geographic Area 715 is a field designed to support  
3 future economic definitions. Only one value, "NMT," is currently  
4 in use.

5 Once the four plan elements required in **FIG. 7** are entered,  
6 the user is taken to the panel that appears in **FIG. 8**. The four  
7 plan elements appear across the top band of the screen. The  
8 Effective Date 825 will appear as the current date. It is up to  
9 the user to choose the exact operational date and Status 810 of  
10 the plan. The plan should be named in the Description 835 field,  
11 and a "Comments" 870 section is available to add documentation  
12 detail. Overtime Parameters 845 must be established for each  
13 plan. Overtime earnings codes (OT 1 Earn 855 and OT 2 Earn 860)  
14 are attached to daily hour triggers (Daily Hr 1 885 and Daily Hr  
15 2 880) and rates of overtime pay (Ot 1 Rt 887 and Ot 2 Rt 889).  
16 The fields Wk OT Earn 865, Weekly Hrs 875, and Wk Ot Rt 891 all  
17 provide defaults for the weekly calculation method. These  
18 definitions establish overtime eligibility as defined by law and  
19 drive the weekly calculation process. The Minimum Guaranteed  
20 Rate 830 field can be used to override the state or federal  
21 minimum wage amounts currently in effect. The Cap Amount 840  
22 field can be used to limit earnings derived from commissions to  
23 either a maximum hourly rate or maximum fixed amount for a week.

1 The Constants 850 appear on the screen as Regular Earn Code 893  
2 and Adjustment Earn Code 895.

3 The next step in the compensation plan design process is to  
4 add detail to the plan. As seen in **FIG. 9**, when selecting Setup  
5 905, the user is provided with a menu of options. From the menu,  
6 the user selects Compensation Plan Detail 910, which takes the  
7 user to **FIG. 10**. The Compensation Plan Detail panel, shown in  
8 **FIG. 10**, allows the user to define the earnings eligibility and  
9 appropriate Calculation Method 1035 required for each job  
10 function in a company. Calculation Method 1035 parameters are  
11 set in **FIG. 15**, discussed below. In addition, the user will  
12 attach an Earnings Code 1030 to each eligible earning type,  
13 prioritize the calculation routine by selecting Calc Prty 1025,  
14 and, in some cases, attach an eligibility routine (Eligb Calc  
15 1045) that will search for additional criteria before calculating  
16 amounts to be paid. When the user selects Earnings Code 1030, a  
17 menu of options appears, shown in **FIG. 10A**. The lightly shaded  
18 earnings types in **FIG. 10A** would be required of almost any  
19 compensation plan and many plans will require all of the earnings  
20 types listed. The user defines the plan according to the  
21 policies that govern eligibility. The user must also assign a  
22 premium calculation in the Prem Calc 1020 field to each earning  
23 type selected. When the user selects Prem Calc 1020, a menu of

options appears, shown in **FIG. 10B**, from which the user may choose.

When the user has input all required data into the screen shown in **FIG. 10**, the user may display all of the information in **FIG. 11**. The user can observe information regarding Minimum Wage 1126, Commission Calculation Routine 1128, Standard Overtime Routine 1130, Sunday Overtime Routine 1132, Point of Sale Feed 1134, Point of Sale Feed 1136, and Hourly Rate Routine 1138, along with the Premium Calculation Number 1105 assigned to each. Additionally, **FIG. 11** displays the Calculation Priority 1110 which attaches to each calculation. Likewise, the Earnings Codes 1115 are shown, and include Guarantee / Adjustment (ADJ) 1140, Commission (COM) 1142, Overtime .5 (standard) (OVA) 1144, Overtime .5 (standard) (OVA) 1146, Premium Pay (PRE) 1148, Premium Hour (PRH) 1150, and Regular Pay (REG) 1152. The Calculation Method 1120 for each calculation is also shown in **FIG. 11**, and includes Half Time 1154, Half Time 1156, Earn Pay 1158, and PS Rate 1160. Finally, the eligibility routine that searches for additional criteria before calculating amounts to be paid is displayed in the Eligb Calc 1125 field.

The next step in building the compensation plan is to establish the commission parameters approved for each job function. By selecting Commission Plan Detail from the Setup

1 menu, the user is taken to the screen displayed in **FIG. 12**. On  
2 this data screen, the Department Group 1200, Earnings Code 1205,  
3 and Sales Type 1235 are displayed. The user can select whether  
4 to set the parameters for standard Commissions 1240, SKU 1245  
5 incentives, Multiple Commissions 1250 or SPIFF incentives 1255.  
6 The user then establishes the restrictions on each commission  
7 type by inputting a Sequence Number 1210, Commission Percentage  
8 1215, Sales Volume 1220, Sales Quantity 1225 and Commission  
9 Amount 1230. If the user selects Multiple 1250, then the plan  
10 will be designed to pay a commission percentage on multiple  
11 commission sales. These sales transactions are identified by a  
12 "YES" or "NO" indicator when polled and recorded. The plan sums  
13 all of the "Yes" responses and computes a commission.

14 The Compensation System also provides the opportunity to  
15 establish incentives for quantities of qualified SKUs and SPIFFs,  
16 as seen in **FIG. 13**. One can also qualify earnings by levels of  
17 quantities sold. The user needs to indicate the Department Group  
18 1305, Earnings Code 1310, Sales Type 1345, and the type of  
19 incentive program (SKU or SPIFF) at 1340. The user may then  
20 designate a Sequence Number 1315, as well as a Commission  
21 Percentage 1320 that attaches to a corresponding Sales Volume  
22 1325 and Sales Quantity 1330. The resulting Commission Amount  
23 1335 is then calculated. The user can establish that the

1 commission payments occur in tiers, so that the employee earns  
2 higher commissions as the quantity of merchandise sold increases.

3 The compensation system also provides for an efficient  
4 method of duplicating a compensation plan by cloning it from an  
5 established plan, shown in **FIG. 14**. The user simply needs to  
6 input an Operator ID 1400, and identify the four key components  
7 of the plan to be copied: Company 1410, Job Function 1415, State  
8 Type 1420 and Geographic Area 1425. The user must then identify  
9 the new components of the new plan: Company New 1430, Job  
10 Function New 1435, State Type New 1440 and Geographic Area New  
11 1445. Clicking on the "Run" 1450 icon and identifying the Run  
12 Control ID 1405 creates the plans. This feature would be used if  
13 a new state type were developed, creating a need for new plans to  
14 be established. Should a new company be added to the corporate  
15 tree, this function would save many hours of design work.

16 Once the necessary information has been input, the user can  
17 define different compensation calculation methods using the panel  
18 shown in **FIG. 15**. A Description 1510, as well as a Short  
19 Description 1515 and any additional Comments 1520 must be  
20 included. The user inputs data into the Effect on Base 1525,  
21 None 1527, Reduce 1529, Primary 1531, and Maps To Calc Routine  
22 1533 fields. Information must also be provided for the Week  
23 Begin 1537 and Week End 1539 fields, as well as the Work Days



1 1541 and Flat Pay 1543 fields. Additionally, the user must  
2 indicate the Payroll Period Type 1545, Earning Period 1547,  
3 Payroll Commission Period 1549, Commission Earnings Code 1535,  
4 and Qualified Earnings Codes 1551 (Adjustment 1553, Commission  
5 1555, Contest 1557 and Premium Pay 1559).

6 The compensation system uses data polled nightly from the  
7 Point of Sale system. Through joining data elements linked by an  
8 employee's social security number and storing the data in tables,  
9 the system can accurately calculate commissions and report the  
10 data back to the source. When this data is missing or reported  
11 to be inaccurate, the payroll must be adjusted and earnings  
12 recalculated. If the calculations reveal that no adjustments are  
13 necessary, the system will maintain the compensation statistics.  
14 As shown in **FIG. 16**, by selecting Start 1600, Compensate  
15 Employees 1605 and Maintain Store Compensation 1610, the user can  
16 tell the system that no changes to the calculated commissions are  
17 needed.

18 If adjustments to the calculations are required, the user  
19 can make the changes manually by selecting Use 1700, seen in **FIG.**  
20 **17**. From the menu of options listed, the user can select the  
21 fields which require changes.

22 Selecting Employee Sales Adjust 1702 takes the user to **FIG.**  
23 **18**, which allows the operator to record or adjust a sales

1 transaction. The user must indicate the Employee ID 1800 and the  
2 Department 1805 in which the employee works. Next, the  
3 Transaction Number 1810, SKU ID 1815 and Sales Date 1820 must be  
4 provided. The user then must input the new information: the  
5 Sales Quantity 1825 sold by the employee, the Sales Amount 1830,  
6 and whether the item sold was subject to a Multiple Commission  
7 1835. Additionally, information regarding the Merchandise  
8 Department 1840 and Company 1850 from which the item was sold is  
9 needed. Finally, the operator must indicate that the  
10 compensation recalculation may proceed by selecting Recalc 1845.

11 Selecting Commission Detail Maintenance 1704 from the Use  
12 1700 menu in **FIG. 17** will take the user to **FIG. 19**. This panel  
13 allows commission data to be adjusted. The user must indicate  
14 the Employee ID 1900 and Department 1905, as well as the Company  
15 1910, Department Group 1915, Week End Date 1935 and Sequence  
16 Number 1940. Next, the Earnings Code 1920, Commission  
17 Calculation Percentage 1925 and Sales Amount 1930 are input.  
18 This information is used to calculate the additional commission  
19 due the employee, as shown in the Employee Pay Amount 1945 field.  
20 If the user selects Gross History Maintenance 1706 from the Use  
21 1700 menu in **FIG. 17**, the panel shown in **FIG. 20** will be  
22 displayed. This panel allows an operator to update the tables  
23 that retain the historical pay data when additional pay is

1 manually processed. The Employee ID 2000 is displayed, and the  
2 user must indicate an Earnings Code 2005, Week End Date 2010,  
3 Earn Date 2040 and Department 2045, as well as the name of the  
4 Company 2035 for which the employee works and the Pay Group 2050  
5 to which the employee belongs. The user then needs to identify  
6 whether the new data was used to recalculate the compensation due  
7 the employee 2015, and whether it must be included in a Paysheet  
8 Feed 2020. Additionally, the user must update the additional  
9 Employee Pay Hours 2025 and Employee Pay Amount 2030. The new  
10 total compensation is indicated in Pay Amount 2055.

11 Finally, by selecting Mass Data Entry - Employee Earnings  
12 1708 from the Use 1700 menu in **FIG. 17**, the user is taken to the  
13 panel in **FIG. 21**. This panel allows the operator to record  
14 summary data for associates in need of pay processing. It is  
15 used when pay deadlines are near and a large volume of earnings  
16 data is missing. The user must input the Employee ID 2100,  
17 Department ID 2105, Earnings Code 2110, Earnings Date 2115, and  
18 Pay Adjustment Date 2120. The new information is indicated in  
19 the Employee Pay Hours 2125 and Employee Pay Amount 2130 fields,  
20 as well as the Week End Date 2135 and Business Date 2140.  
21 Finally, the user must inform the system that Recalculation 2145  
22 is necessary. After completing the information fields in **FIG.**  
23 **21**, the user can later retrieve the panel shown in **FIG. 20** to

1 record the other detail data not captured in **FIG. 21**.

2 The next major process of the present invention is batch  
3 design, which involves utilizing the employee data input during  
4 online design to calculate the compensation due each employee.

5 **FIG. 22** is an illustration of the flow of this process.

6 Initially, a user enters the hours an employee has worked into  
7 the Point of Sale System at the store register in which the hours  
8 were worked, indicated by POS Earns 2205. A store associate will  
9 record his or her sales at the store register, indicated by POS  
10 Sales 2210. Sales Load Process 2220 is responsible for loading  
11 the sales history table via a sequential file received from the  
12 store interface process. The batch feed determines if the sales  
13 information being received is for a prior pay period. If the  
14 sales are related to a previous pay period, the process will  
15 recognize that situation and insert a row into the Employee  
16 Recalculation Table 2265. Current pay period sales are inserted  
17 into the Empl Sales History 2230 table without an entry to the  
18 Employee Recalculation Table 2265.

19 Earnings Load Process 2215 is responsible for loading the  
20 earnings history table via a sequential file received from the  
21 store interface process. The batch feed occurs daily, and  
22 determines if the earnings information being received is for a  
23 prior pay period. If earnings are related to a previous pay

1 period, the process will recognize that situation and insert a  
2 row into the Employee Recalculation Table 2265. Current pay  
3 period earnings are inserted into the Empl Earnings History 2225  
4 table without an entry to the Employee Recalculation Table 2265.

5 The Store Compensation Driver 2235 represents the majority  
6 of the functionality that the store based compensation system  
7 will deliver. Its predominant function is to determine  
8 commission amounts and hourly rates for earnings codes for each  
9 store employee, using the Earnings History 2225 and Sales History  
10 2230 information. The driver in this process is an employee job  
11 table.

12 All active employees with a jobcode associated with store  
13 operations will be processed. As each employee is read, the  
14 Commission Calculation Module 2240 is called to determine  
15 commission amounts valid for the employee, and to calculate the  
16 dollar amount associated with each type of commission. The  
17 module will be passed employee number, company, jobcode, state  
18 type and pay period begin and end dates. The employee number,  
19 jobcode and state type are from the employee job table, all input  
20 during the online design process. The company, jobcode and state  
21 type are used as keys to their compensation plan. A sales type  
22 of weekly delineates store weekly sales, while employee sales  
23 type involves employee weekly sales. The employee number will be

1 used to retrieve sales for the employee from the Sales History  
2 2230 table for the period in question. As each sales row is  
3 read, the company and state type fields on the sales records are  
4 used to override the corresponding keys on their compensation  
5 plan. Since sales are grouped by company, state type and  
6 department group when read from the Sales History 2230 table, the  
7 department group sales amounts are summed and the department  
8 group is used as a key to the commission department group table.  
9 If a match exists, the sales type field is used to determine the  
10 range of values the data will contain on the commission  
11 department group table. If no match exists (no sales records),  
12 the default keys are used.

13 The annual sales type involves store annual sales. In this  
14 case, the annual sales of the store are derived by totaling the  
15 sales for the year for the home store number of the employee. A  
16 sales type of average involves an algorithm to determine employee  
17 weekly sales. For sales types of weekly, average and annual, the  
18 sales figure is matched against the sales volume field on the  
19 commission department group table and the corresponding  
20 percentage is multiplied by the sales figure to arrive at the  
21 commission amount. For employee sales type, the process is  
22 graduated. As sales thresholds are met, new commission  
23 percentages are used for the sales amount that is within the

1 sales volume ranges.

2 This module also processes SKU incentives. If a department  
3 group is associated with SKU incentives on the compensation plan,  
4 the SKU table is accessed to determine if there are active SKU  
5 incentive programs. If there are active programs, SKU numbers  
6 are read from the SKU table and joined to the sales history table  
7 obtaining sales for all valid SKU numbers within the pay period  
8 dates for the employee. The resulting amount is multiplied  
9 against the commission percentage to obtain the SKU commission  
10 amount.

11 Another commission calculated by this module is a SPIFF. A  
12 SPIFF is processed in the same manner as a SKU, with the  
13 exception that the percentage is a fixed dollar amount and the  
14 sales volume is an item count. As the SPIFF table is checked for  
15 active plans, the SKU numbers are searched on the sales history  
16 table. Counts are totaled for all active SKU numbers and the  
17 count is bumped against the commission department group table to  
18 get the corresponding dollar amount per unit. This dollar amount  
19 is then multiplied by the number of units within that range. As  
20 the commission amounts are calculated for all types, they are  
21 matched to an earnings code, and the earnings code and dollar  
22 amounts are stored in an internal table that are returned to the  
23 calling program.

1       After a commission is calculated, the next step in the  
2 process is to call the Premium Pay Module 2245, to determine if  
3 any holidays exist for the employee for the pay period date  
4 range, and to check for any regular time worked on those dates  
5 for the purposes of calculating premium pay. This module will be  
6 passed employee number, company and pay period dates. With those  
7 keys, the holiday schedule for the employee will be checked for  
8 any dates that are holidays. If dates are selected, the earnings  
9 history table is used to select any regular time that was worked  
10 on those dates. These hours worked are attached to the premium  
11 pay earnings code and are returned to the calling program.

12       Next, the Hourly Rate Calculation Module 2250 is called to  
13 calculate an hourly rate associated with the various earnings  
14 code for the employee for the pay period date range. This figure  
15 is calculated via a pre-determined calculation method. The  
16 module will be passed employee number, company, jobcode, state  
17 type, pay period begin and end dates and call type. With these  
18 keys, the earnings calculation table will be accessed to get the  
19 domain of earnings types that require hourly rate calculation.  
20 This domain is determined by the call type, regular or exception.  
21 These earnings are read from the earnings history table and the  
22 calculation method algorithm is used to determine the hourly rate  
23 for each earning code. The hourly rate is then multiplied by the



1 number of hours to obtain the dollar amount. The earnings codes  
2 and dollar amounts are returned to the calling program via an  
3 internal table.

4 The next module, Overtime Calculation Module 2255, is called  
5 to determine the overtime that is earned for the pay period date  
6 range. The module will be passed employee number, company,  
7 jobcode, state type and pay period begin and end dates. The  
8 Earnings History 2225 table is read for all regular earnings by  
9 day. All hours greater than eight per day are added into  
10 overtime for that day. All hours greater than forty per week are  
11 added into overtime for the week, if not included in the per day  
12 amounts. The result is an overtime earnings code and hours that  
13 are returned to the calling program. The final step in the  
14 Compensation Calculation Process 2235 is to calculate the hourly  
15 rate for time not worked, which is determined via the Hourly Rate  
16 Calculation Module 2250.

17 The results of the aforementioned modules are earnings  
18 codes, hours and dollar amounts that are stored to a temporary  
19 table, via a module, with keys of employee number and pay period  
20 end date. The last process in the main driver section reads this  
21 temporary table for the employee and inserts the data into  
22 paysheets for the pay period in question.

23 When the Compensation Calculation Process 2235 is completed

1 and the resulting data is inserted into paysheets for the  
2 applicable time period, the store compensation program begins the  
3 Recalculation Process 2270. The purpose of this process is to  
4 recalculate an employee's pay for a given pay period, and to  
5 compare the earnings amounts in detail to the historical  
6 paysheets to determine if the pay is the same. The  
7 aforementioned necessary Online Adjustments 2260 can be made, if  
8 an employee's Earnings History 2225 must be updated or corrected.  
9 If an adjustment is needed, an adjustment earnings code is  
10 generated for the current pay period.

11 The Recalculation Process 2270 uses the Employee  
12 Recalculation Table 2265 as its driver. This table contains the  
13 employee number and the pay period in which the adjustment was  
14 made. With that information, the modules in the compensation  
15 process will be called to replicate the compensation calculation  
16 process.

17 Next, the Paysheet Compare Module 2275 will be called to  
18 compare the temporary table of earnings and dollar amounts with  
19 that on the historical paysheet for the recalculation pay period.  
20 The module will be passed employee number, company and pay period  
21 end date. With these keys, the employee's historical paysheets  
22 will be selected and the earnings will be compared for  
23 similarity. Any differences will generate an adjustment earnings

1 code for the amount of the difference. The earnings code and  
2 adjusted differed will be returned to the calling program. The  
3 last process in the main driver routine will take the resulting  
4 adjustment transaction and insert it into the current period  
5 paysheet.

6 The Paysheet Unfeed Process 2280 is designed to undo the  
7 front end feed of earnings from the store compensation system. A  
8 preliminary pay calculation is needed for reporting and  
9 validation purposes, and it is necessary to provide a feed of  
10 front information for this preliminary cycle. Since the data can  
11 change on the front end of the system due to circumstances such  
12 as current period adjustments or missing sales information, the  
13 initial feed of information must be erased in order to generate a  
14 final feed of inclusive data.

15 **FIGS. 23, 24 and 25** represent the process flow of the  
16 compensation system. Initially, the associate reports the hours  
17 worked on a time report 2300. Hours for associates shifted  
18 between stores will be entered at the register for the store in  
19 which the hours were worked. Next, the manager enters the hours  
20 reported on the associate's time sheets into the Point of Sale  
21 System at the store register 2302. The associate's sales are  
22 recorded at the store register 2316, and all sales and hours  
23 data, as well as human resources transactions, are uploaded to

1 the system's main database 2318 and 2320. The sales and hours  
2 information which has been uploaded then interfaces with the  
3 Compensation Module 2322. Once interface is complete,  
4 compensation is calculated 2400.

5 In the event an adjustment to associate sales and hours is  
6 necessary, the manager reports such needed corrections and  
7 updates to payroll administrators 2304. Payroll then enters the  
8 changes into hours and sales databases 2306, which alters the  
9 Sales History 2308 and the Hours History 2310. When the  
10 adjustments are made, a flag is set upon interface with the  
11 compensation module 2514 and 2515. Compensation for the period  
12 will now be recalculated, and the recalculated information is  
13 compared to the actual information derived from the compensation  
14 calculation 2400. If a current pay week adjustment is needed  
15 2506, the pay will be recalculated based on the corrected data  
16 and the next feed overlays the paysheet with the corrected data.  
17 If no adjustment is necessary 2508, the results are passed to a  
18 table to be read when the paysheet is created. The information  
19 is fed to the paysheets 2512, at which time the paysheets are  
20 created 2404.

21 **FIG. 26** is an illustration of how a company should implement  
22 and maintain the present invention. Upon executive approval 2602  
23 of the compensation plan, the payroll administrators should be

1     advised as to the details of the approved plan 2604. The  
2     administrators then enter the new / revised details 2606. Once  
3     the details are added, the system is run 2616, and the  
4     calculations are tested to confirm the results 1618. This is  
5     performed by entering sample sales and hours data 2620, then  
6     running this data through an Excel spreadsheet 2624 and through  
7     the present invention 2622. The results of the spreadsheet test  
8     2628 are compared to the results of the invention 2626, and if  
9     the results are correct 2630, the calculations should be applied  
10    to the production environment 2632. If corrections 2634 are  
11    required, they can be entered as needed.     It is also advisable  
12    for the corporate executives to work with store operations  
13    executives to communicate the compensation program 2608 via, for  
14    example, documents 2610. The details should be disseminated to  
15    district and store managers 2612, who in turn communicate the  
16    program to store associates 2614.

17         While the present invention has been described with  
18    reference to one or more preferred embodiments, such embodiments  
19    are merely exemplary and are not intended to be limiting or  
20    represent an exhaustive enumeration of all aspects of the  
21    invention. The scope of the invention, therefore, shall be  
22    defined solely by the following claims. Further, it will be  
23    apparent to those of skill in the art that numerous changes may

1 be made in such details without departing from the spirit and the  
2 principles of the invention. It should be appreciated that the  
3 present invention is capable of being embodied in other forms  
4 without departing from its essential characteristics.

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1     What is claimed is:

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3     1.    A method for providing a store compensation system using  
4     network-based computer software applications to integrate and  
5     manipulate employee payroll and human resource information to  
6     determine and monitor employee compensation for single or multi-  
7     location companies, wherein said method comprises the steps of:

8             inputting employment data into a store's Point of Sale  
9             system for each employee;

10            recording the sales transaction data for said employee;

11            uploading said transaction data to a central database;

12            calculating the compensation due said employee; and

13            recalculating said compensation at predetermined times;

14            wherein said calculating includes base salary, commissions,

15            overtime, premiums, bonuses and pay for time not worked; and

16            wherein said recalculating is done to determine the consistency

17            of the compensation to said employee.

1     **ABSTRACT**

2           The present invention provides a compensation system for  
3     designing and managing the compensation structure and human  
4     resources transactions of multi-location companies according to a  
5     company's particular business practices. Specifically, the  
6     compensation plan for each employee is designed based on each  
7     individual employee's status. For example, a store associate's  
8     hours are entered on a weekly basis in a store's Point of Sale  
9     (POS) System. The associate's sales are reported daily, along  
10    with a daily recording of any human resources transactions. This  
11    data is polled and uploaded to a central database, and the system  
12    then calculates the compensation due an employee. The  
13    compensation calculation includes base salary, commissions,  
14    overtime, premiums, bonuses and pay for time not worked. The  
15    system further provides for a bi-weekly recalculation process,  
16    whereby an employee's pay for a given period is recalculated and  
17    compared to historical pay sheets in order to determine if the  
18    compensation is consistent. The system also allows for any  
19    adjustments to be made that the recalculation process deems  
20    necessary.





200

205

210

Define Store Compensation - Setup - Country

Country: USA

Effective Date: 01/01/1997

Min Wage: 5.15

WWW.COMP.COUNTRY Update/Display

Figure 2

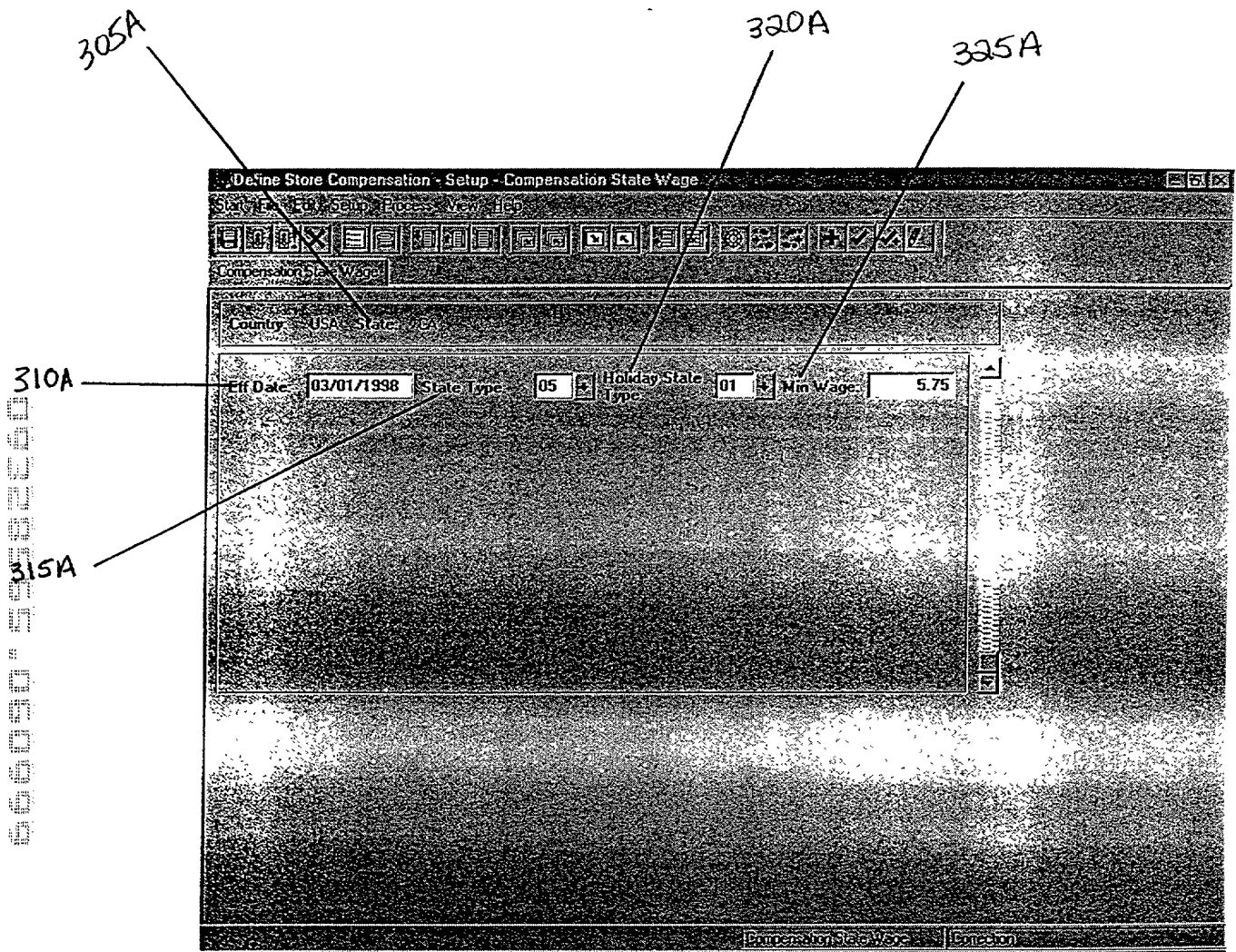


Figure 3A

Figure 3B

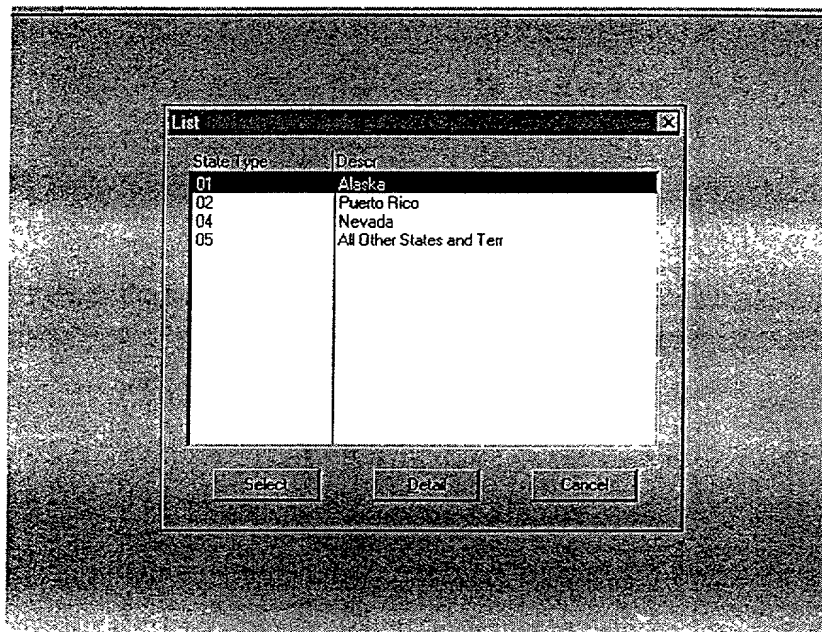
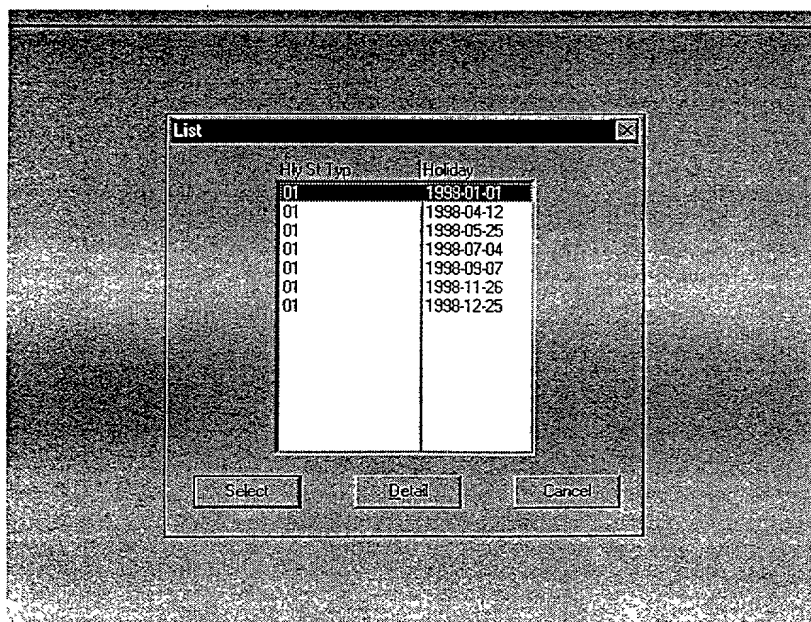


Figure 3C





**Define Store Compensation - Setup - Department Groups**

Start File Edit Setup Process View Help

Department Groups

Company: [ ]

Dept Gm: **001**

Description: **All merch. depts. excl catalog**

505

510

Figure 5



605  
610

615

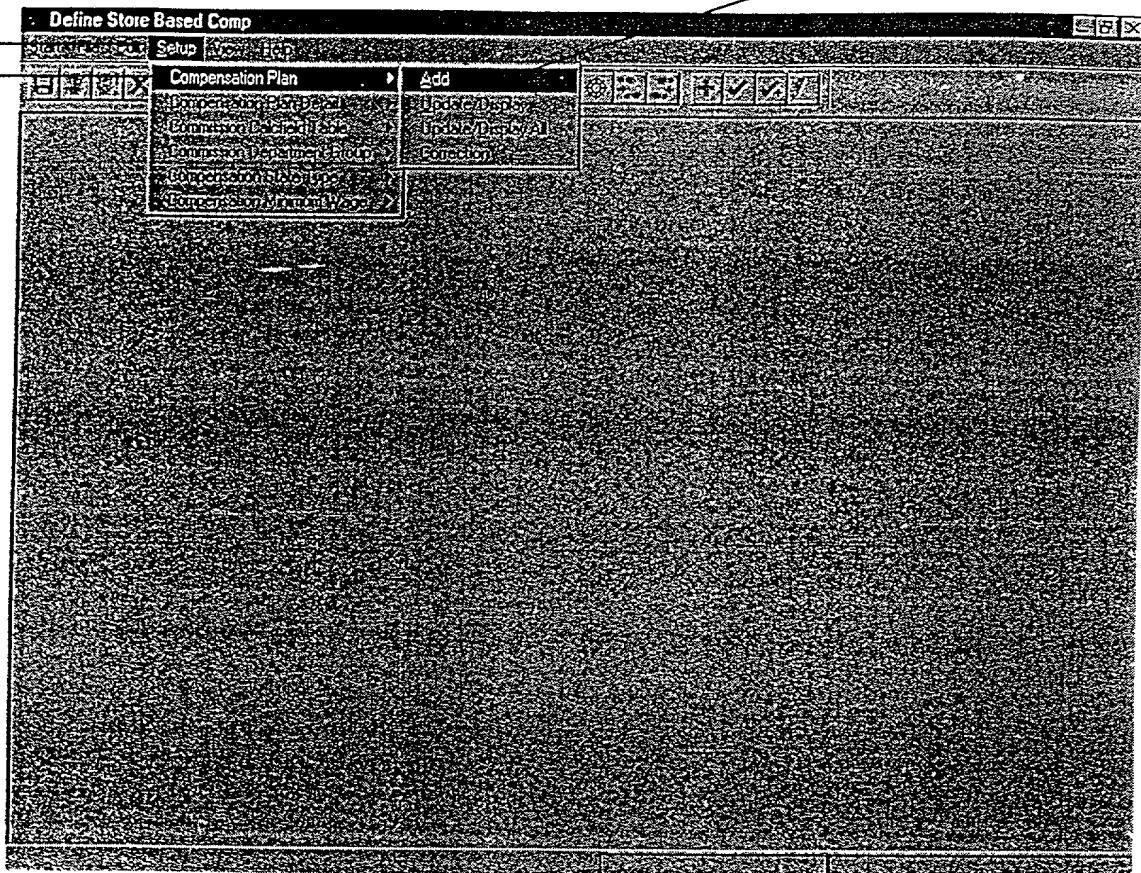


Figure 6





825 — Effective Date: 01/01/1997

835 — Status: Active

845 — Description: Str. Salary - No OT - Comm C

855 — Overtime Parameters

860 — O1:1-Earn: [ ] Daily Hr: [ ] O1:1-Rate: [ ]

865 — O1:2-Earn: [ ] Daily Hr: [ ] O1:2-Rate: [ ]

870 — Wk:OT-Earn: [ ] Weekly Hrs: 40.00 Wk:OT-Rate: 0.001

830 — Minimum Guaranteed Rate: 7.72

840 — Cap Amount: [ ]

885 — Constants

889 — Regular Earn Code: REG

891 — Adjustment Earn Code: ADJ

895 —

850 —

880 —

885 —

890 —

Comments: This plan supports all-commission development store managers - California.

Form Title: Define Store Compensation - Setup - Compensation Plan

Form Fields: Company: [ ], Job Function: [ ], Geo Area: [ ], State: [ ], Type: [ ]

Figure 8

905

910

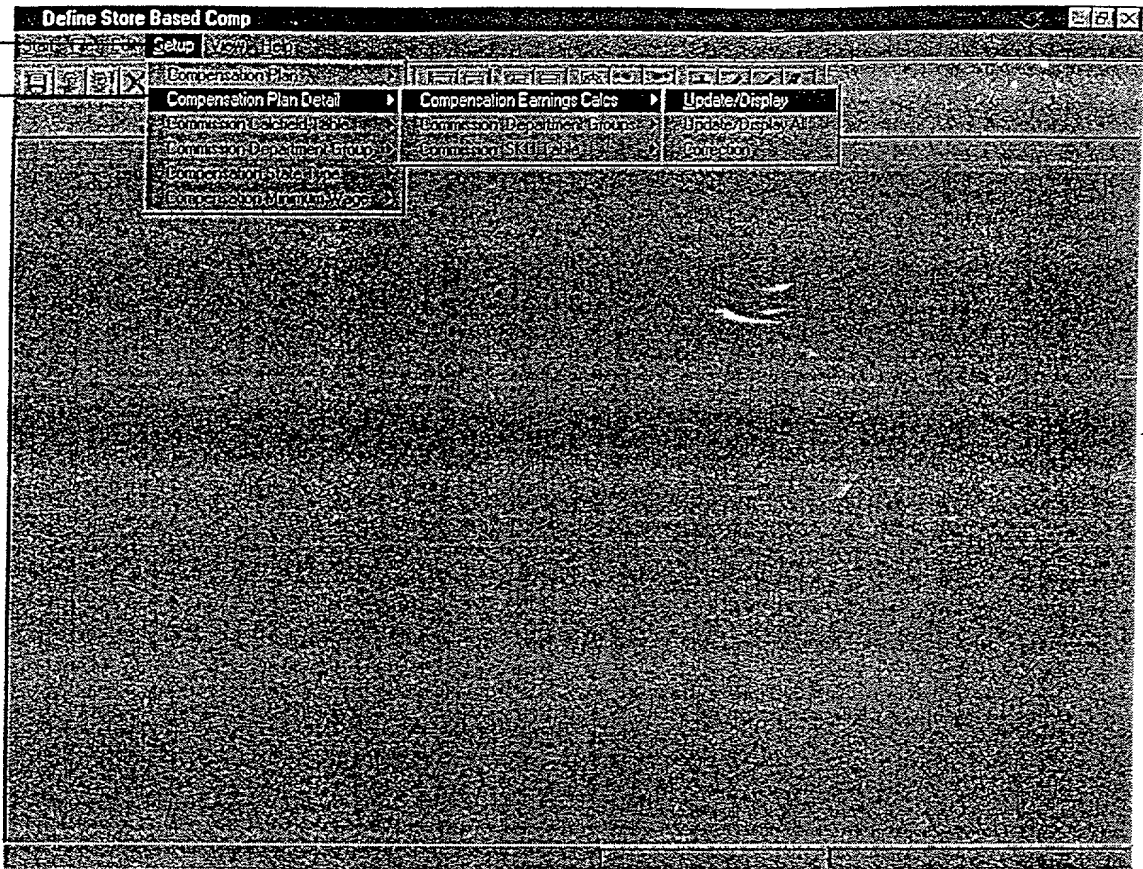


Figure 9



66030 3352200

ode	Earning Type Description
REG	Regular
SSI	Sick
SHO	Holiday
SVA	Vacation
VPO	Prorated Vacation Pay-out
SJU	Jury Duty
SBE	Bereavement
EMR	Emergency
SMI	Military
CON	Award/Contest
PRE	Premium Pay
PRH	Premium Hours
OVA	Overtime (0.5)
OVB	Overtime (1.0)
COM	Commission
ADJ	Adjustment

Figure 10A

Premium Calculation	Required?	Description
01	YES	Commission Calculation Routine
02	YES	Hourly Rate Routine
03	NO	Holiday Table Routine
04	NO	Standard Overtime Routine
05	NO	Sunday Overtime Routine
06	NO	Holiday Overtime Routine
07	YES*	Base Adjust Routine
08	YES	POS Feed
09	NO	Minimum Guarantee/Salary Cap
10	YES	Minimum Wage Routine

Figure 10B



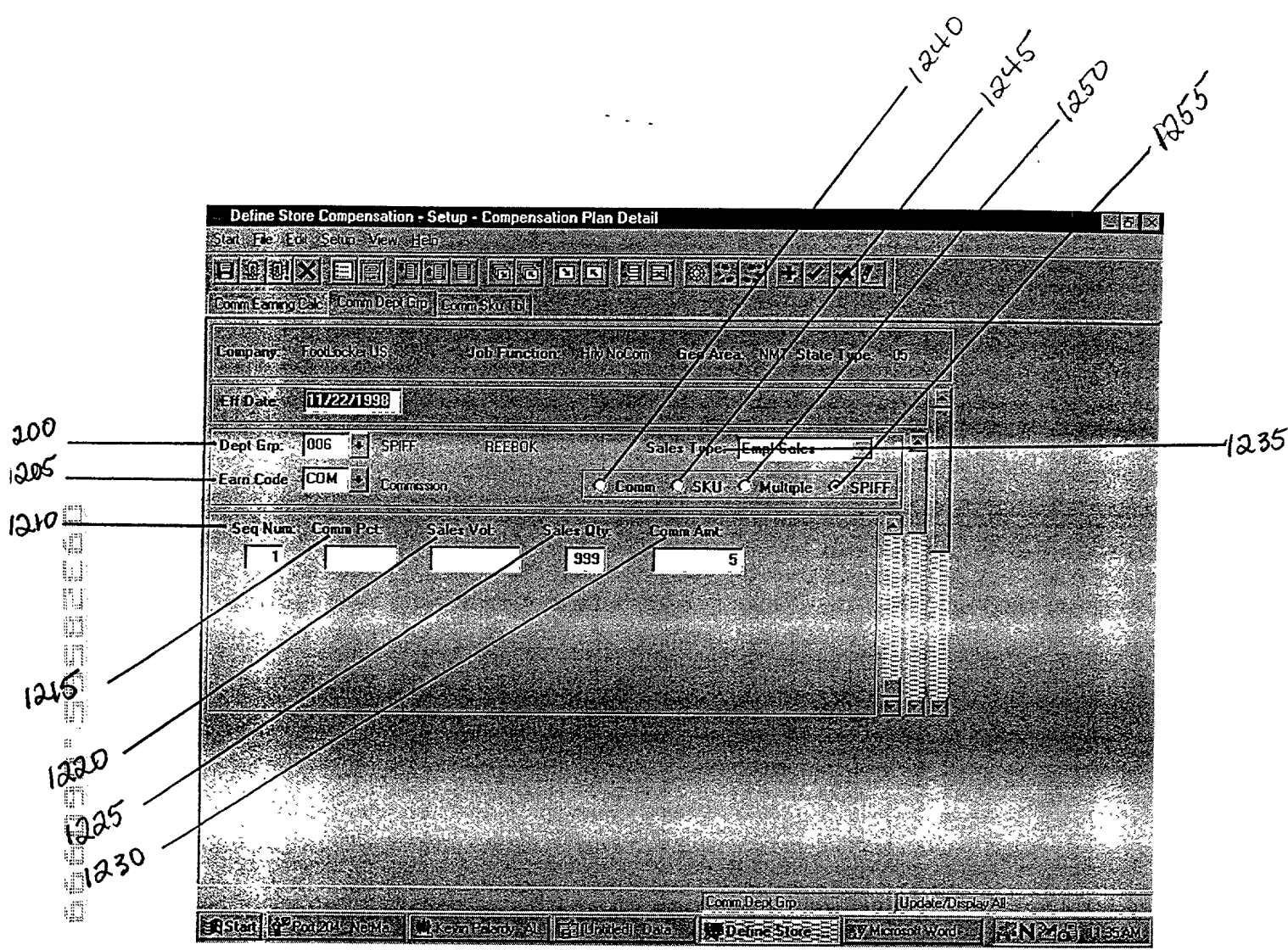


Figure 12



Define Store Compensation - Setup - Compensation Plan Detail

Company: FootLocker US Job Function: BT Cond Geo Area: NM State Type: 05

Eff Date: 04/05/1998

Dept Grp: 050 Demonstration Sales Type: Empl Sales

Earn Code: COM Commission

☐ Comm
 ☐ SKU
 ☐ Multiplier
 ☐ Shift

Seq Num	Comm Pct	Sales Vol	Sales Qty	Comm Amt
1			3	
2			10	1.00
3			999	1.50

Comm Dep Grp: Direction:

Figure 13



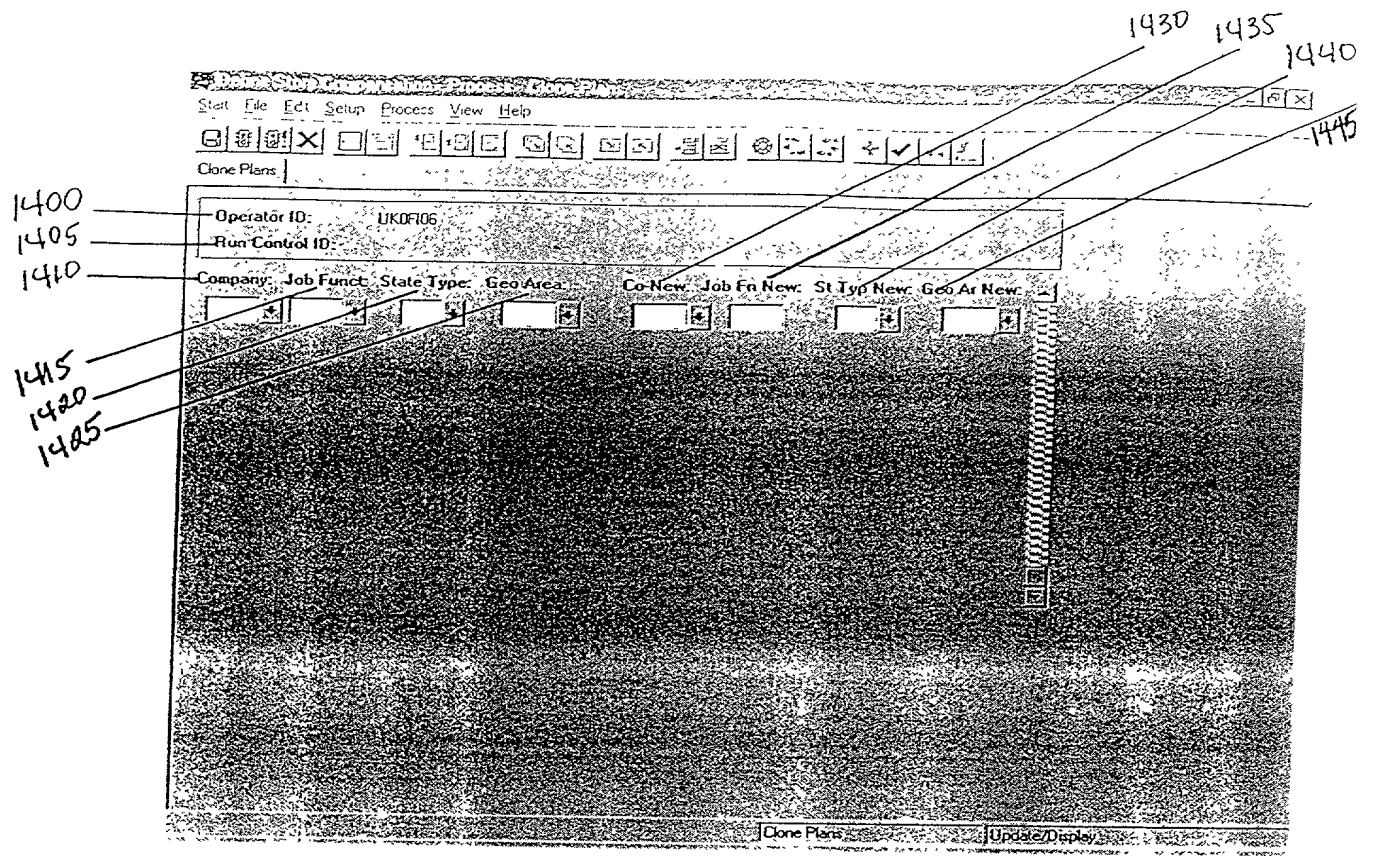


Figure 14

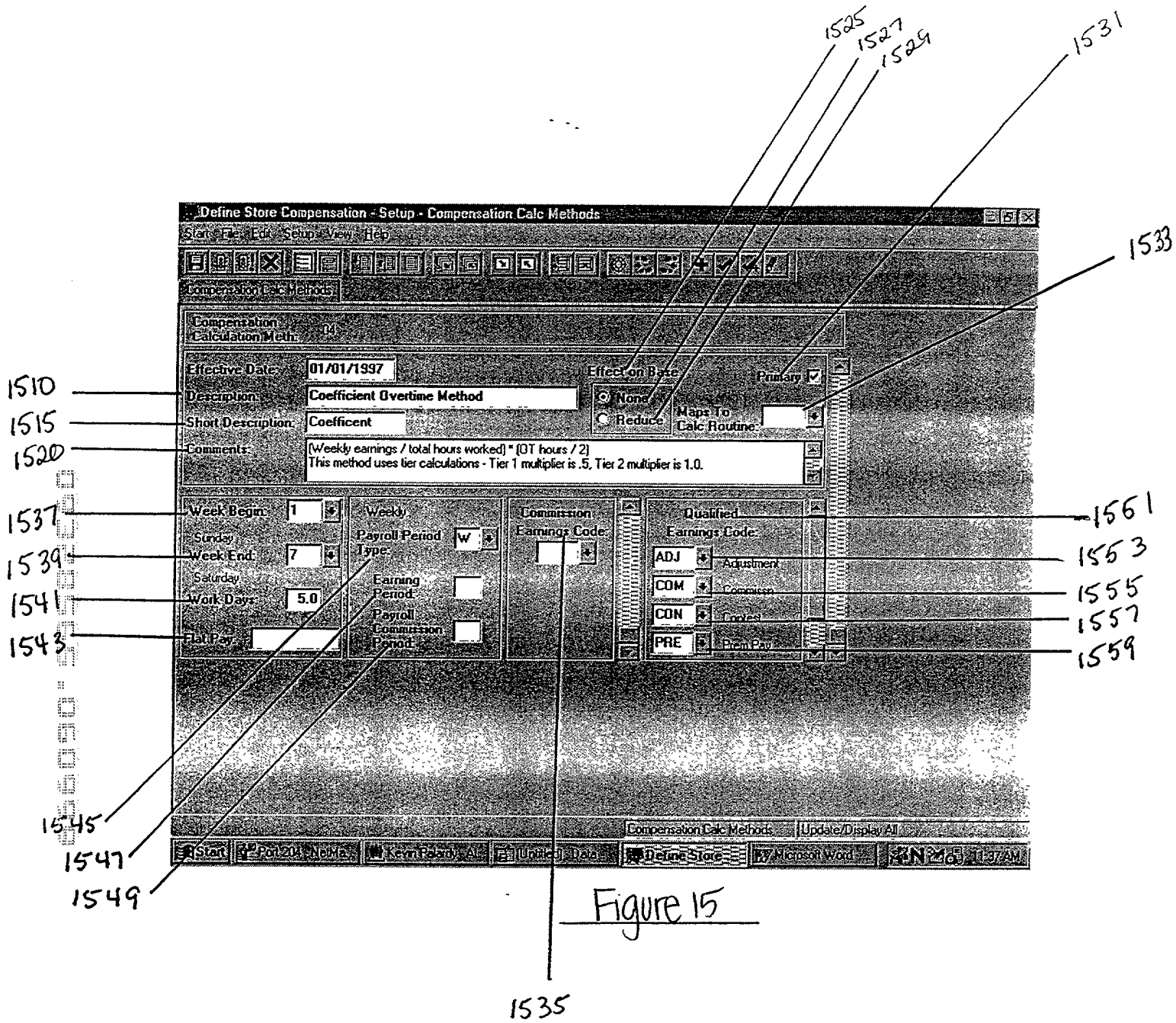
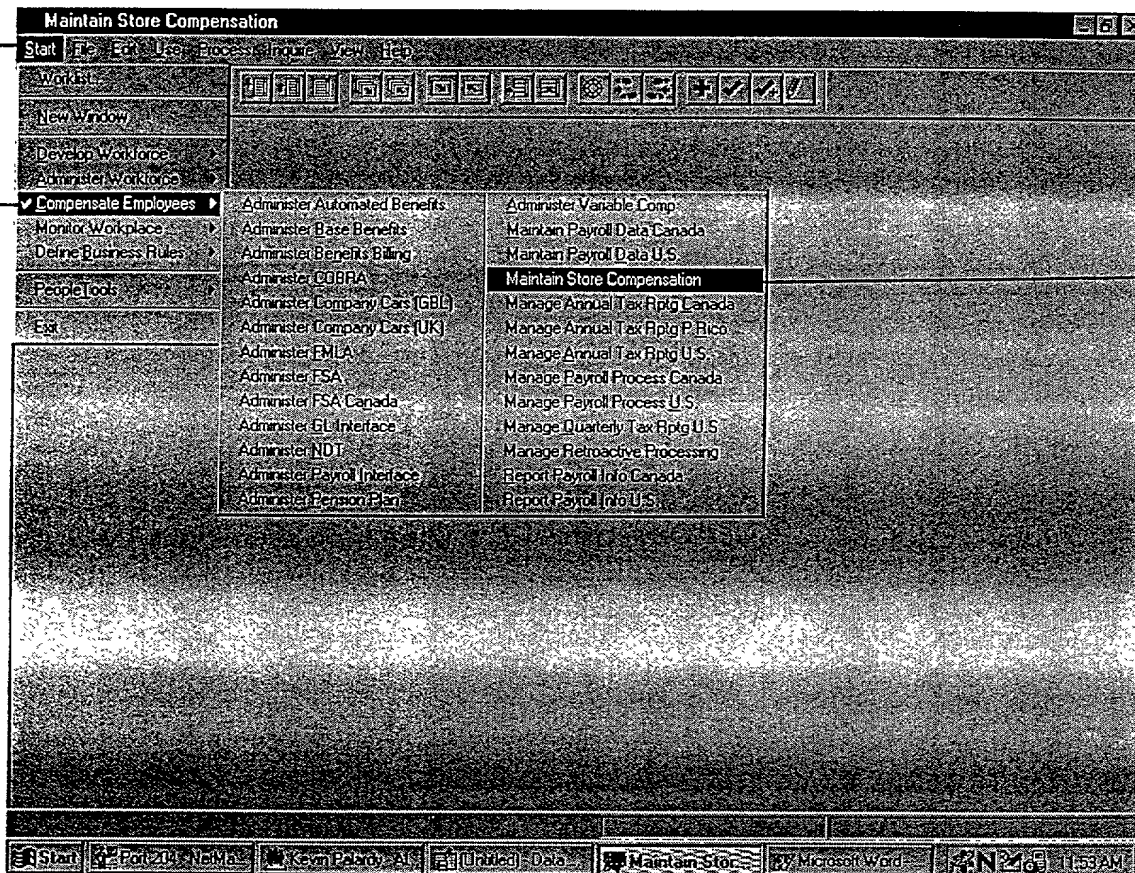


Figure 15

1600

1605

666090" 43332260



1610

Figure 16

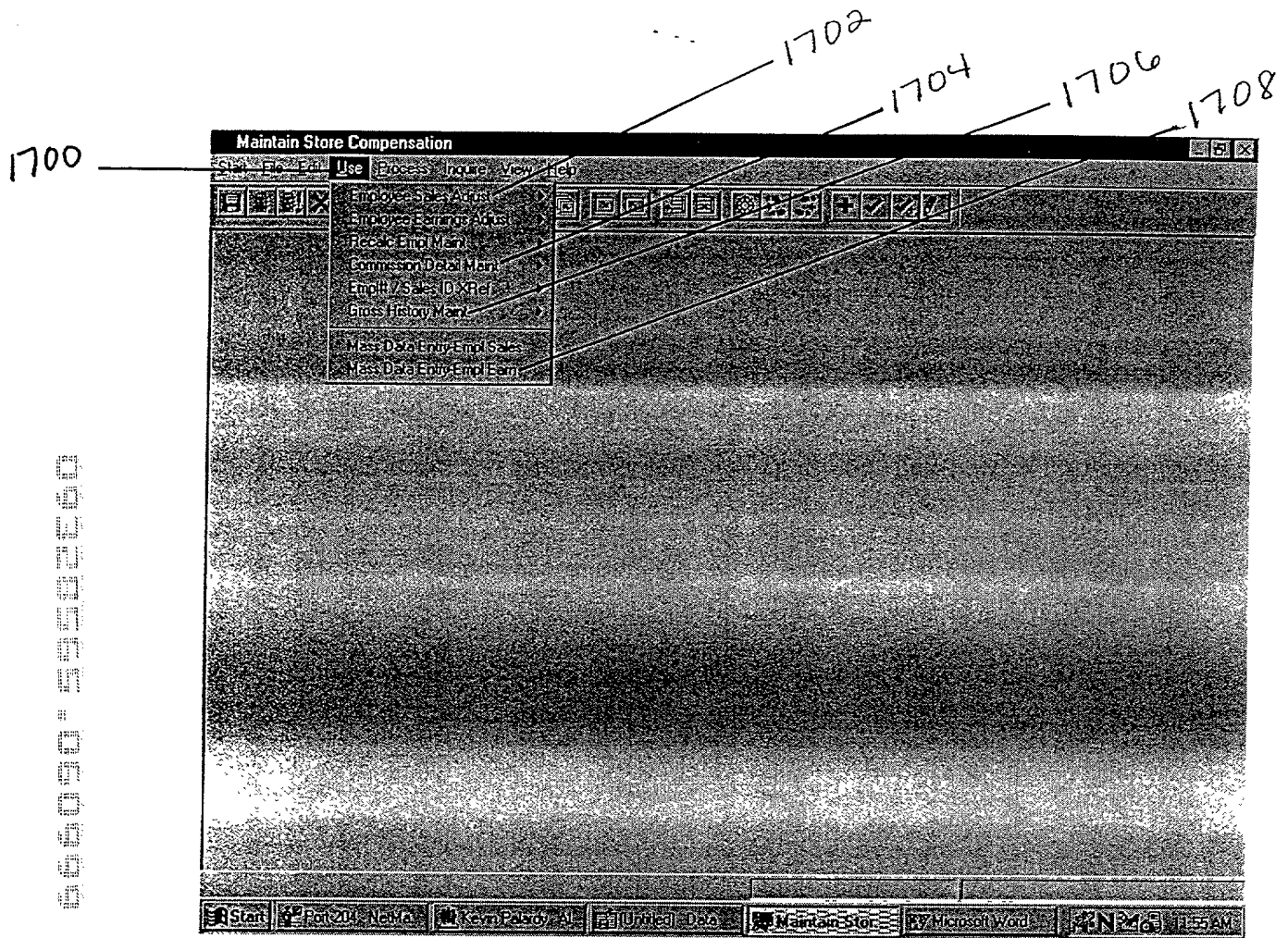


Figure 17







2010 2035 2040

2000 2005

2015 2020 2025

2030

2045 2050 2055

**Maintain Store Compensation - Use - Gross History Maint.**

Sec F4 Use Process Input Help

Payroll Feed

EmpID: [ ] DOE, JANE

Earnings Code: COM WK End Dt: 06/27/1998 Pay Date: 06/27/1998

Department: 06492

☐ Recalculation Indicator Company: LFL Pay Group: 8W1

☒ Payroll Feed

Employee Pay Hours: [ ] Employee Pay Amount: 4.00 Pay Amount: [ ]

Payroll Feed Correction

Start [ ] Payroll Feed [ ] Key Payroll [ ] Microsoft Word [ ] United Data [ ] Maintain-Store [ ] 12:32 PM

Figure 20

**Maintain Store Compensation - Use - Mass Data Entry-Empl Earn**

Start Date: 01/01/98 Process: Income View: NCB

Empl Earnings Data Entry

Empl ID:

Dept ID:   Store: 06492

Em Code:  Commission

Empl Earn Dt:

Empl Pay Adj Dt:

Empl Pay Hours:

Empl Pay Amt:

Week End Dt:

Business Date:

Recalc: ☒

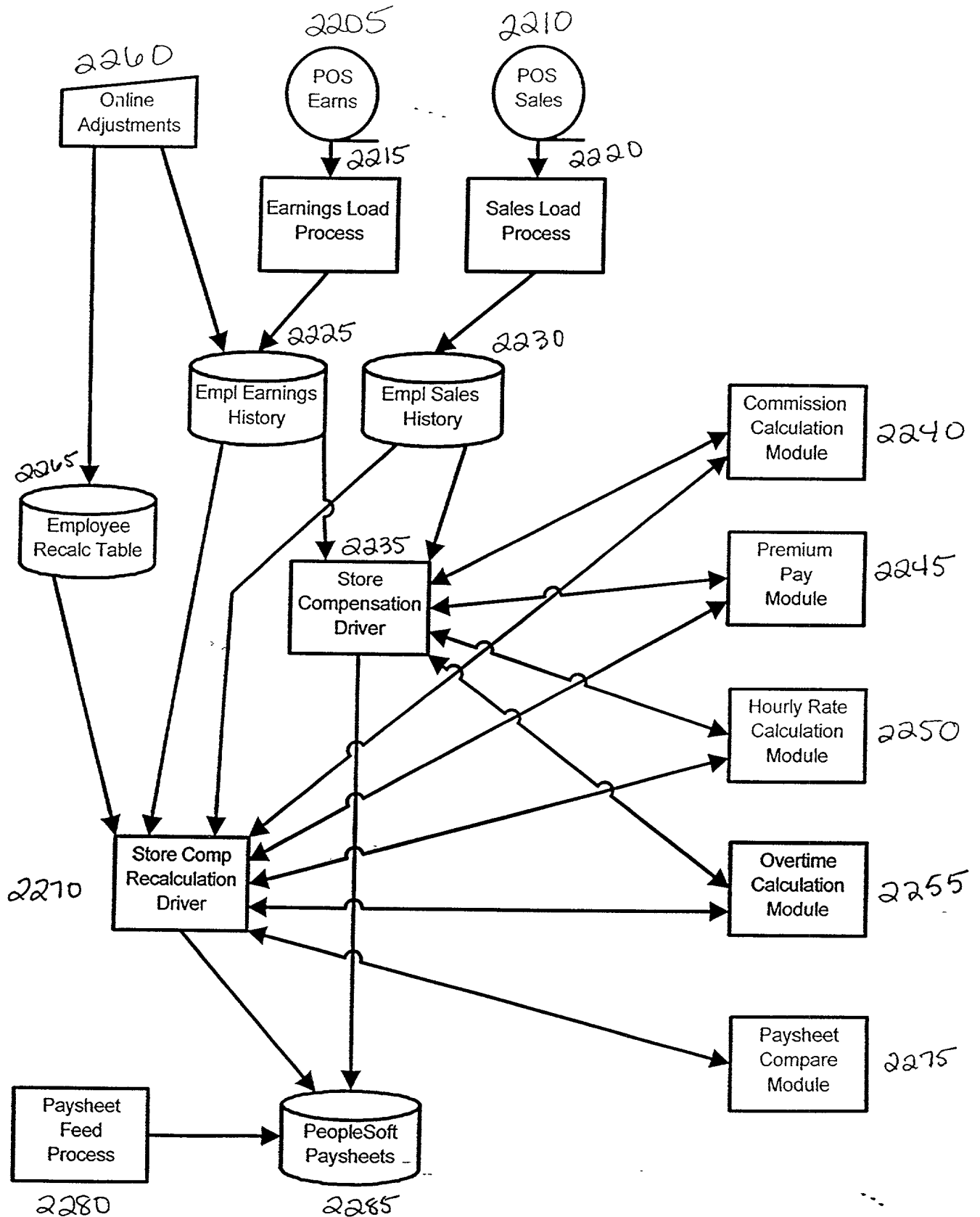
Empl Earnings Data Entry Data Entry

Start: 01/01/98 Port 204 NetMa Keyo Data PAL Microsoft Word (Untitled) Data Maintain Stor N 240 12:35 PM

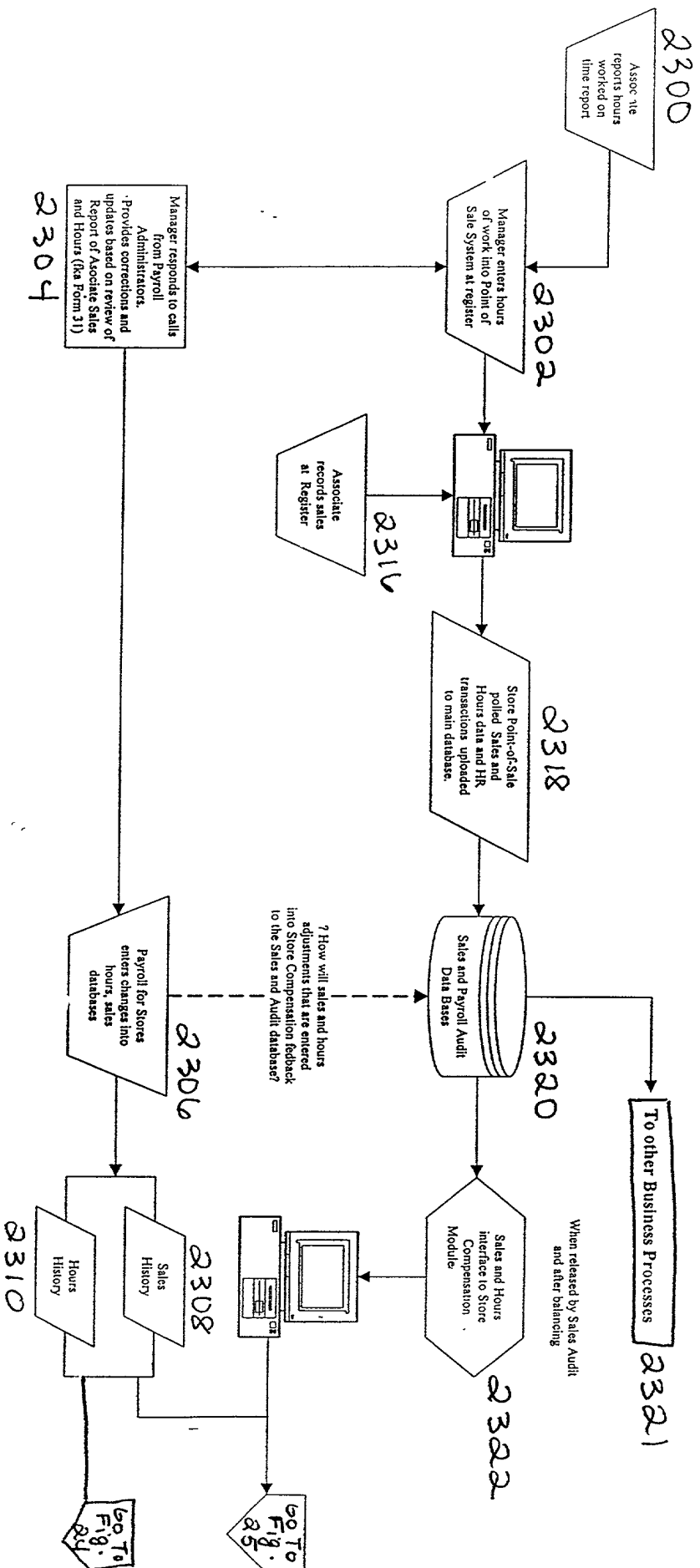
Figure 21



Figure 22

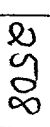


•

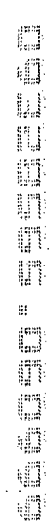




2



1



# DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below at 201 et seq. underneath my name.

I believe I am the original, first and sole inventor if only one name is listed at 201 below, or an original, first and joint inventor if plural names are listed at 201 et seq. below, of the subject matter which is claimed and for which a patent is sought on the invention entitled METHOD AND APPRATUS FOR PROVIDING A CONSOLIDATED STORE COMPENSATION SYSTEM the specification of which:

☒ is attached hereto ☐ was filed on as Application Serial No.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §119/§172 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

EARLIEST FOREIGN APPLICATION(S), IF ANY, FILED PRIOR TO THE FILING DATE OF THE APPLICATION			
APPLICATION NUMBER	COUNTRY	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 35 U.S.C. 119/172
N/A			YES <input type="checkbox"/> NO <input type="checkbox"/>
			YES <input type="checkbox"/> NO <input type="checkbox"/>
			YES <input type="checkbox"/> NO <input type="checkbox"/>
			YES <input type="checkbox"/> NO <input type="checkbox"/>

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

APPLICATION SERIAL NO.	FILING DATE	STATUS		
		PATENTED	PENDING	ABANDONED

POWER OF ATTORNEY: As a named inventor, I hereby appoint John F. Ward (Reg. No. 33,811) and John W. Olivo, Jr. (Reg. No. 35,634), whose address is Ward & Olivo, 708 Third Avenue, New York, New York 10017, and each of them, my attorneys, to prosecute this application, and to transact all business in the Patent and Trademark Office connected therewith.

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	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY	ZIP CODE
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	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY	ZIP CODE
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	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP	
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY	ZIP CODE

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 201	SIGNATURE OF INVENTOR 202	SIGNATURE OF INVENTOR 203
DATE	DATE	DATE
SIGNATURE OF INVENTOR 204	SIGNATURE OF INVENTOR 205	SIGNATURE OF INVENTOR 206
DATE	DATE	DATE